

IN THE CLAIMS:

Please amend the claims as follows:

1. (currently amended) A method, comprising:
  - receiving in a mobile wireless communication terminal one or more instructions to respectively perform one or more tasks concerning data file transfer over an air interface that can be executed in said terminal with a delay,
  - storing said instructions in said terminal,
  - checking in said terminal whether said terminal is coupled to a charging device, and
  - executing in said terminal said data file transfer tasks over said air interface upon recognizing an electrical connection between said terminal and said charging device ~~wherein said execution of said tasks in said terminal is postponed to a later point in time.~~
2. (previously presented) A method according to claim 1, wherein said receiving instructions includes receiving instructions from the user via the user interface of said terminal.
3. (previously presented) A method according to claim 1, wherein said receiving instructions includes receiving instructions generated internally in said mobile terminal triggered by a maintenance or update process.
4. (previously presented) A method according to claim 1, wherein the method further includes transferring at least part of data to be processed in said instructions from said terminal to said charging device for storage, and retrieving said data during said executing said data file transfer tasks over said air interface.

5. (previously presented) A method according to claim 1, wherein the method further includes transferring at least part of data to be processed in said instructions from said terminal to said charging device for storage and processing, and retrieving processed data from said charging device to said terminal during said executing said data file transfer tasks over said air interface.

6. (currently amended) A method, comprising:

studying, in a mobile wireless communications terminal, under a period of time terminal battery charging routines of a user of said terminal, calculating in said terminal time intervals with a high likelihood that said mobile terminal is connected to the charger, receiving in the mobile terminal instructions to perform one or more data file transfer tasks over an air interface that can be executed with a delay, storing the instructions in said terminal, executing in said terminal said data file transfer tasks over said air interface upon entering one of said calculated time intervals ~~wherein said execution is postponed to a later point in time.~~

7. (previously presented) A method according to claim 6, wherein the receiving instructions includes receiving instructions from the user via a user interface of said terminal.

8. (previously presented) A method according to claim 6, wherein the receiving instructions includes receiving instructions generated internally in said terminal triggered by a maintenance or update process.

9. (previously presented) A method according to claim 6, wherein said executing said data file transfer tasks over said air interface in said time interval is made using a connection speed, or a communications channel, or both, providing at least a minimum accepted Quality of Service at the lowest possible cost.

10. (previously presented) A method according to claim 6, wherein said executing said data file transfer tasks over said air interface in said time intervals additionally

involves checking if the terminal is coupled to a battery charging device, and concluding according to a predetermined set of rules whether to start executing any data file transfer tasks over said air interface or not.

11. (previously presented) A method, comprising:

studying, in a mobile wireless communication terminal, under a period of time terminal battery charging routines of a user of said terminal,

calculating, in said terminal, a time interval with a high likelihood said terminal being connected to a charger,

receiving in the terminal instructions to perform one or more data file transfer tasks over an air interface that can be executed in the terminal with a delay,

storing the instructions in the terminal to be executed during said time interval,

checking in the terminal whether said mobile terminal is coupled to said charger upon entering said time interval, and executing said data file transfer tasks over said air interface if that is the case;

deferring execution of said data file transfer tasks over said air interface in said time interval, if the terminal is not coupled to said charger, until one of the following conditions applies, whichever occurs first:

the terminal is connected to said charger;

a maximum time limit for postponing the execution of said data file transfer tasks over said air interface is approaching;

a level of battery power available is approaching a limit putting execution of at least part of said postponed data file transfer tasks over said air interface at risk ~~wherein said execution is postponed to a later point in time.~~

12. (previously presented) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said terminal comprising:

a processing unit for processing data file transfer tasks over an air interface and a timing device for performing timed execution of said data file transfer tasks over said air interface in said terminal,

a memory for storing instructions and data associated with each such data file transfer task over said air interface in said terminal, wherein said terminal is configured to store received instructions for delayable data file transfer tasks over said air interface located in the memory, wait until coupled to a charging device and then execute said data file transfer tasks in said terminal over said air interface.

13. (previously presented) A mobile wireless communications terminal according to claim 12, wherein at least part of the stored instructions for delayable data file transfer tasks over said air interface are originally received from the user via a user interface of said terminal.

14. (previously presented) A mobile wireless communications terminal according to claim 12, wherein at least part of the stored instructions for delayable data file transfer tasks over said air interface are generated by an internal maintenance or update process of said terminal.

15. (previously presented) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said terminal comprising:

a processing unit for processing data file transfer tasks over an air interface with timed execution;

a memory for storing instructions and data associated with each such data file transfer task over said air interface; and

an interface for data connection between said terminal and a charging device, wherein said terminal is configured to transfer at least part of the data to be processed in said instructions from said terminal to said charging device for storage therein, and configured to retrieve said stored data during execution of said data file transfer task over said air interface.

16. (previously presented) A mobile wireless communication terminal according to claim 15, configured to transfer at least part of the data to be processed in said instructions from said terminal to said charging device for processing, and configured to retrieve processed data from said charging device during said timed execution of said data file transfer tasks over said air interface.

17. (previously presented) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said terminal comprising:

- a processing unit for processing data file transfer tasks over an air interface with timed execution; and

- a memory for storing instructions and data associated with each such data file transfer task over said air interface, wherein said processing unit of said terminal is configured to study under a period of time terminal battery charging routines of a user of the terminal, to calculate time intervals with a high likelihood that said terminal is connected to a battery charger and to execute the instructions stored in the memory to perform one or more delayable data file transfer tasks over said air interface upon entering at least one time interval of said calculated time intervals.

18. (previously presented) A mobile wireless communications terminal according to claim 17, wherein said processing unit is configured to execute said data file transfer tasks over said air interface in said at least one time interval using a connection speed, or communications channel, or both, providing at least a minimum accepted Quality of Service at a lowest possible cost.

19. (previously presented) A mobile wireless communications terminal according to claim 17, wherein said processing unit is configured to check during execution of the instructions if said mobile terminal is coupled to a battery charging device, and to conclude according to a predetermined set of rules whether to start executing any data file transfer task over said air interface or not.

20. (previously presented) A mobile wireless communications terminal according to claim 18, configured to communicate with a service provider, or network carrier, or both, for enabling utilization of favorable traffic conditions and transfer costs.

21. (previously presented) A mobile wireless communications terminal capable of wireless speech and data communication over an air interface, said terminal comprising:

- a processing unit for processing data file transfer tasks over an air interface with timed execution;

- a memory for storing instructions and data associated with each such data file transfer task over said air interface, wherein said terminal is configured to study under a period of time terminal battery charging routines of a user, to calculate time intervals with a high likelihood the terminal is connected to a charger, to receive in the terminal instructions to perform one or more of said data file transfer tasks over said air interface that can be executed with a delay, to store the instructions in the memory, to check in said terminal whether it is coupled to said charger, to execute said data file transfer tasks over said air interface if that is the case or to defer execution of said data file transfer tasks over said air interface, if the terminal is not coupled to said charger, until one of the following conditions applies, whichever occurs first:

- the terminal is connected to said charger;

- a maximum time limit for postponing execution of said data file transfer tasks over said air interface is approaching;

- a level of battery power available is approaching a limit putting execution of postponed data file transfer tasks over said air interface at risk.

22. (previously presented) A mobile wireless communications terminal according to claim 12, wherein said terminal is substantially a third generation terminal.

23. (previously presented) A charging device capable of charging a battery of a mobile wireless communications terminal, said charging device comprising:

- a data interface for a two-way data connection between said charging device and said terminal when connected for said charging; and

a memory for storing data, wherein said charging device is configured to store at least part of data to be processed according to instructions associated with one or more data file transfer tasks over said air interface by said terminal for execution at least in part in said terminal with execution of said data file transfer tasks over said air interface postponed until connected to said charging device, and configured to return said stored data to said terminal when requested by said terminal, wherein said postponed data file transfer tasks over said air interface are terminal background tasks.

24. (previously presented) A charging device capable of charging a battery of a mobile wireless communications terminal, said charging device including a data interface for a two-way data connection between said charging device and said mobile wireless communications terminal, said charging device including a memory for storing data, wherein said charging device comprises a processing unit for sharing task execution between said terminal and said charging device wherein sharing task execution comprises sharing execution of postponed terminal data file transfer background tasks carried out over said air interface by said terminal.

25. (previously presented) A charging device according to claim 24, further comprising a processing unit for task execution on behalf of said terminal.

26. (currently amended) A method, comprising:

receiving in a mobile wireless communications terminal at least one instruction to perform a data file transfer task over an air interface,

identifying in said terminal whether the data file transfer task over said air interface is a delayable data file transfer task over said air interface and, if so, storing data related to execution of said delayable task in a queue located in a memory of said terminal,

said terminal executing said data file transfer task over said air interface using a processing unit of said terminal upon recognizing a connection between said terminal and a power source for charging a battery of said terminal, ~~wherein execution of said data file transfer task over said air interface is delayed.~~

27. (previously presented) A process according to claim 26, wherein said at least one instruction to perform a data file transfer task over said air interface is received from a user via a user interface of said terminal.

28. (previously presented) A process according to claim 26, wherein said at least one instruction to perform a data file transfer task over said air interface is generated internally in said mobile terminal, triggered by a maintenance or update process stored in the memory of the terminal and executed by a processing unit of the terminal.

29. (previously presented) A process according to claim 26, wherein information for said identifying whether the data file transfer task over said air interface is a delayable data file transfer task over said air interface is included in said at least one instruction to perform a data file transfer task over said air interface.

30. (previously presented) A process according to claim 26, wherein information for said identifying whether a data file transfer task over said air interface is a delayable data file transfer task over said air interface is found from a predetermined list of task urgencies stored in the memory of said terminal.

31. (currently amended) A method, comprising:

- receiving in a mobile terminal at least one instruction to perform a data file transfer task over an air interface,
- identifying in said terminal if the data file transfer task over said air interface is a delayable background data file transfer task over said air interface and, if so,
- storing in said terminal data related to execution of said delayable data file transfer task over said air interface in the memory,
- executing said delayable data file transfer task in said terminal using a processing unit in said terminal upon entering a precalculated time interval based on studying terminal battery charging routines of a user of the terminal



during which said terminal is connected to a charging device—wherein  
~~execution of said data file transfer task over said air interface is delayed.~~

32. (previously presented)A method according to claim 31, further comprising:

checking in said terminal during said precalculated time interval and prior to  
said executing said delayable data file transfer task over said air interface if said  
terminal is coupled to said charging device, and deciding according to a  
predetermined set of rules whether to start executing said data file transfer tasks over  
said air interface or not.